AMENDMENTS TO THE CLAIMS:

By this listing:

Claims 36-52 have been elected;

Claims 21-35 and 53-61 have been withdrawn from consideration without prejudice and with reservation that these claims may be re-introduced upon allowance of the elected claims;

Claims 1-20 have been previously canceled.

Complete listing of claims.

1-20. (Canceled)

21. (Withdrawn) A printer comprising:

an interface adapted to receive a print job from a network;

a print server, formed on a substrate, to detect the print job and manage a print queue;

a formatter, formed on the substrate, adapted to perform at least a first formatting function associated with the print job; and

a print engine adapted to drive a print mechanism in accordance with the print job.

22. (Withdrawn) The printer of claim 21 wherein the formatter includes a system input/output (I/O) to receive the print job.

23. (Withdrawn) The printer of claim 21 wherein the formatter includes a system input/output (I/O) to receive a cancel request from the network.

24. (Withdrawn) The printer of claim 21 wherein the formatter includes a system input/output (I/O) to provide print job status information to the network.

25.   (Withdrawn) The printer of claim 21 wherein the print server is adapted to add the print job to the print queue.

26.   (Withdrawn) The printer of claim 21 wherein the print server is adapted to remove the print job from the print queue in response to a cancel request received from the network.

27.   (Withdrawn) The printer of claim 21 wherein the print server is adapted to generate status information regarding the print job.

28.   (Withdrawn) The printer of claim 27 wherein the formatter is adapted to communicate the status information to the network.

29.   (Withdrawn) The printer of claim 21 wherein the formatter is adapted to notify the network if the print job is complete.

30.   (Withdrawn) The printer of claim 21 wherein the formatter is adapted to notify the network if a print error has occurred.

31.   (Withdrawn) The printer of claim 21 wherein the formatter includes a formatter controller adapted to convert the print job from a first format to a second format, and to communicate the print job to the print engine.

32.   (Withdrawn) The printer of claim 31 wherein the formatter controller is adapted to compress the print job.

33.   (Withdrawn) The printer of claim 31 wherein the formatter controller is adapted to de-compress the print job.

34. (Withdrawn) The printer of claim 21 wherein the formatter includes a processing system to perform at least a first system processing function associated with the print job.

35. (Withdrawn) The printer of claim 21 wherein the formatter comprises:

a system input/output (I/O) configured to receive the print job;

a formatter controller configured to access the print job from the print queue and convert the print job to a format useable by the print engine; and

a processor adapted to perform a first function associated with the system I/O, a second function associated with the print server, and a third function associated with the formatter controller.

36. (Previously Presented) A printer formatter comprising:

a processor to perform at least a first print function associated with a print job;

a system input/output (I/O) associated with the processor to receive an input signal and provide an output signal;

a formatter controller to perform at least a first formatting function associated with the print job; and

a print server, in communication with the processor, to manage a print queue.

37. (Previously Presented) The printer formatter of claim 36 comprising a substrate having the processor, the system I/O, the formatter controller, and the print server located thereon.

38. (Previously Presented) The printer formatter of claim 37 wherein a formatter comprises a single microchip that includes the processor, the system I/O, the formatter controller, and the print server.

39. (Previously Presented) The printer formatter of claim 38 wherein the microchip is configured to function within a printer.

40.   (Previously Presented) The printer formatter of claim 36 wherein the system I/O is adapted to receive the print job.

41.   (Previously Presented) The printer formatter of claim 36 wherein the formatter controller is adapted to convert the print job from a first format to a second format.

42.   (Previously Presented) The printer formatter of claim 36 wherein the formatter controller is adapted to compress the print job.

43.   (Previously Presented) The printer formatter of claim 36 wherein the formatter controller is adapted to de-compress the print job.

44.   (Previously Presented) The printer formatter of claim 36 wherein the system I/O is adapted to generate an I/O interrupt in response to receiving the input signal, and the processor is adapted to perform an I/O function in response to receiving the I/O interrupt.

45.   (Previously Presented) The printer formatter of claim 44 wherein the I/O function includes receiving and storing the print job.

46.   (Previously Presented) The printer formatter of claim 44 wherein the I/O function includes providing an indication to the print server that the print job has been received.

47.   (Previously Presented) The printer formatter of claim 36 wherein the print server is adapted to generate a print server interrupt in response to detecting the print job, and the processor is adapted to perform a print server function in response to receiving the print server interrupt.

48.   (Previously Presented) The printer formatter of claim 36 wherein the processor is adapted to store the print job in the print queue.

49.   (Previously Presented) The printer formatter of claim 36 wherein the processor is adapted to provide a print job status notification.

50.   (Previously Presented) The printer formatter of claim 36 wherein the processor is adapted to provide a print job complete notification.

51.   (Previously Presented) The printer formatter of claim 36 wherein the processor is adapted to provide a print error notification.

52.   (Previously Presented) The printer formatter of claim 36 wherein the processor is adapted to remove the print job from the print queue in response to a cancel signal.

53.   (Withdrawn) A printer comprising:

a substrate having a formatter adapted to receive a print job from a network, manage a print queue, and format the print job; and

a print mechanism in communication with the formatter to print an image on a print medium.

54.   (Withdrawn) The printer of claim 53 wherein the formatter is comprised of a print server adapted to communicate print job status information to the network.

55.   (Withdrawn) The printer of claim 54 wherein communicating print job status information to the network includes notifying the network if the print job is complete.

56.   (Withdrawn) The printer of claim 54 wherein communicating print job status information to the network includes notifying the network if a print error has occurred.

57.   (Withdrawn) The printer of claim 53 comprising a formatter controller to convert the print job from a first format to a second format, and communicate the print job in the second format to a print engine.

58.   (Withdrawn) The printer of claim 53 wherein the formatter is adapted to compress the print job.

59.   (Withdrawn) The printer of claim 53 wherein the formatter is adapted to de-compress the print job.

60.   (Withdrawn) The printer of claim 53 comprising a print server to control print job processing.

61.   (Withdrawn) The printer of claim 53 wherein the formatter comprises a processor to perform input/output (I/O) functions associated with a system I/O, print server functions associated with a print server, and printer formatting functions associated with a formatter controller.